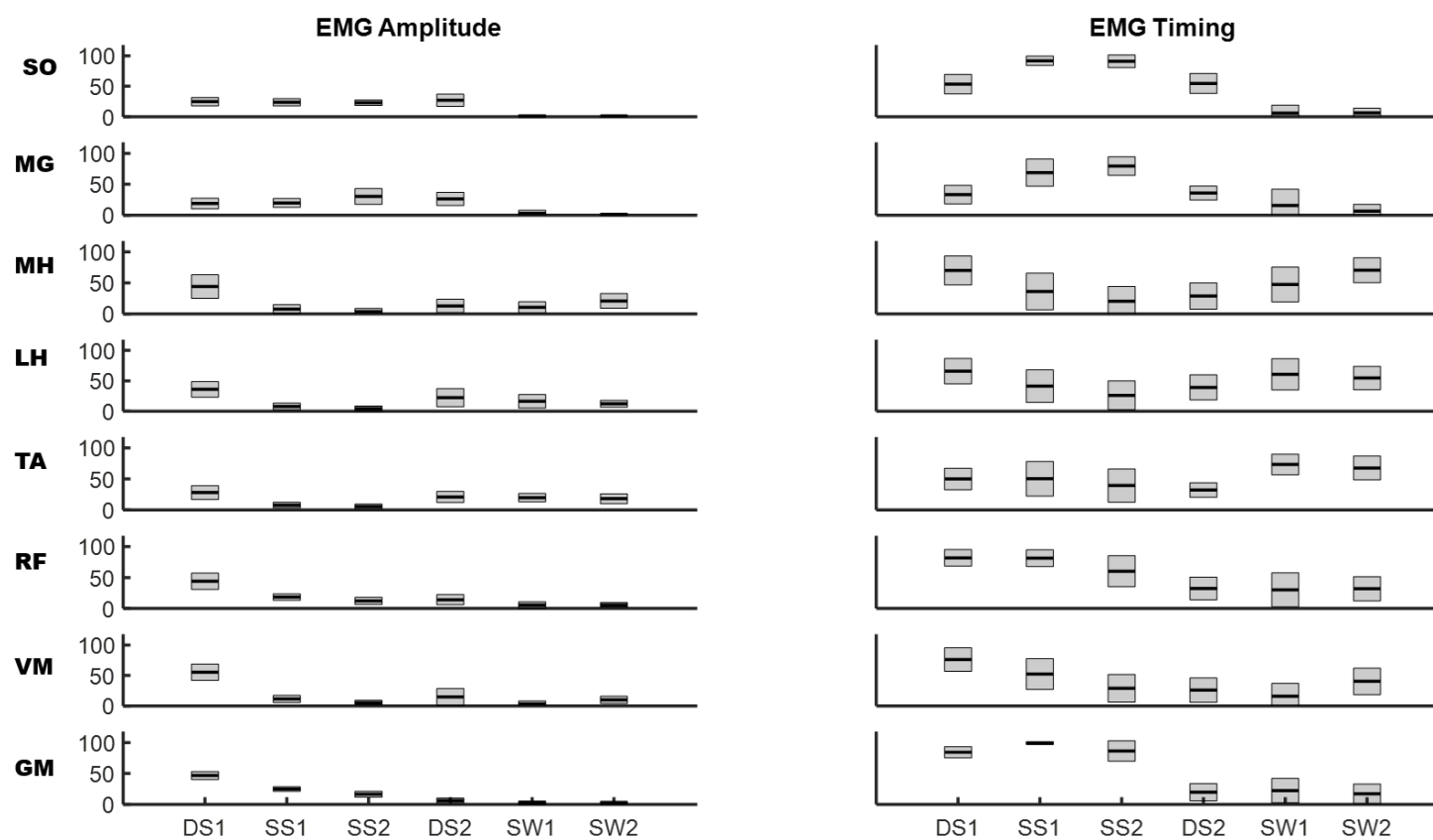
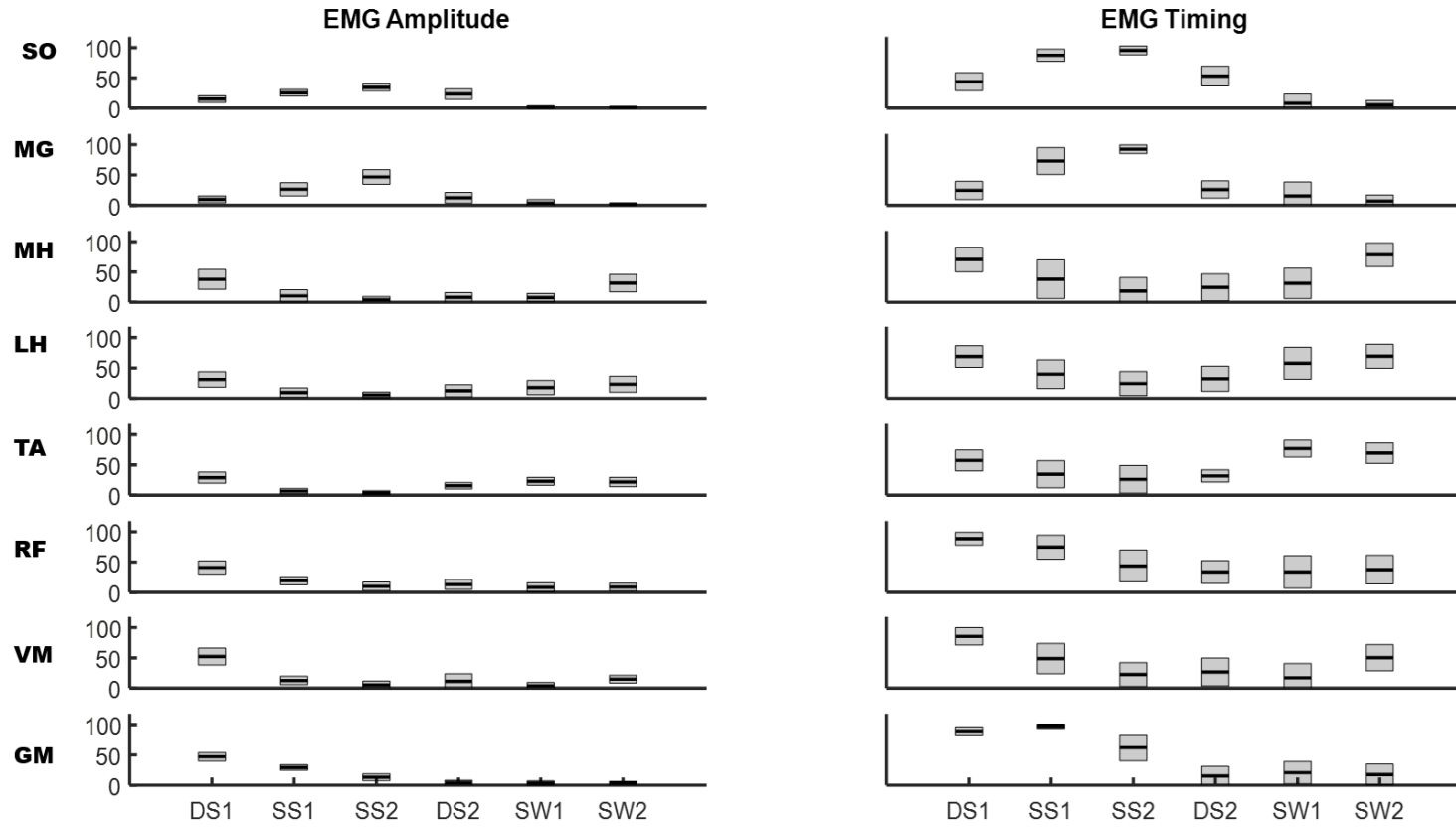


(A)

EMG Patterns for Healthy Controls at 0.3 m/s walking speed

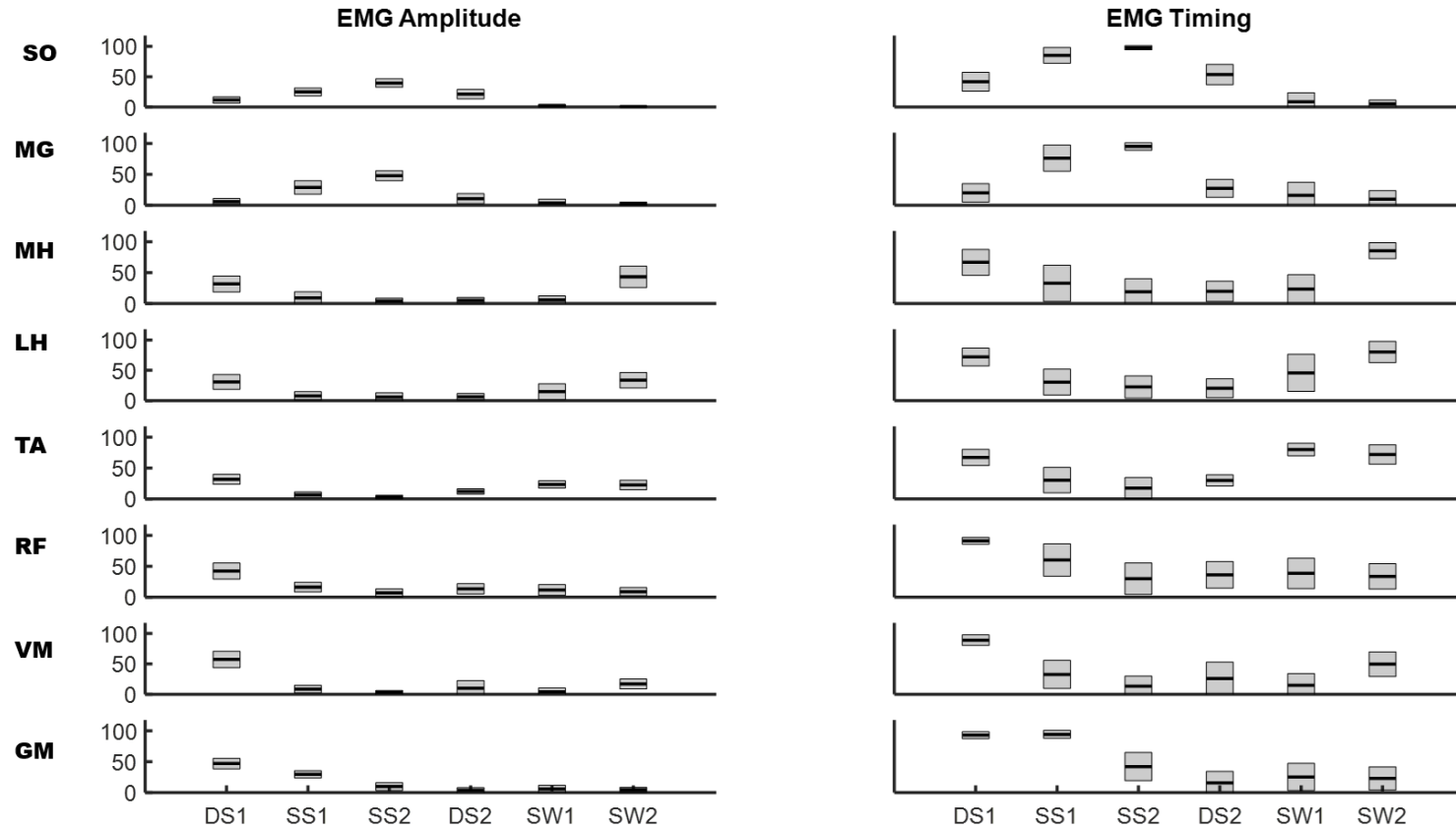
(B)

EMG Patterns for Healthy Controls at 0.6 m/s walking speed



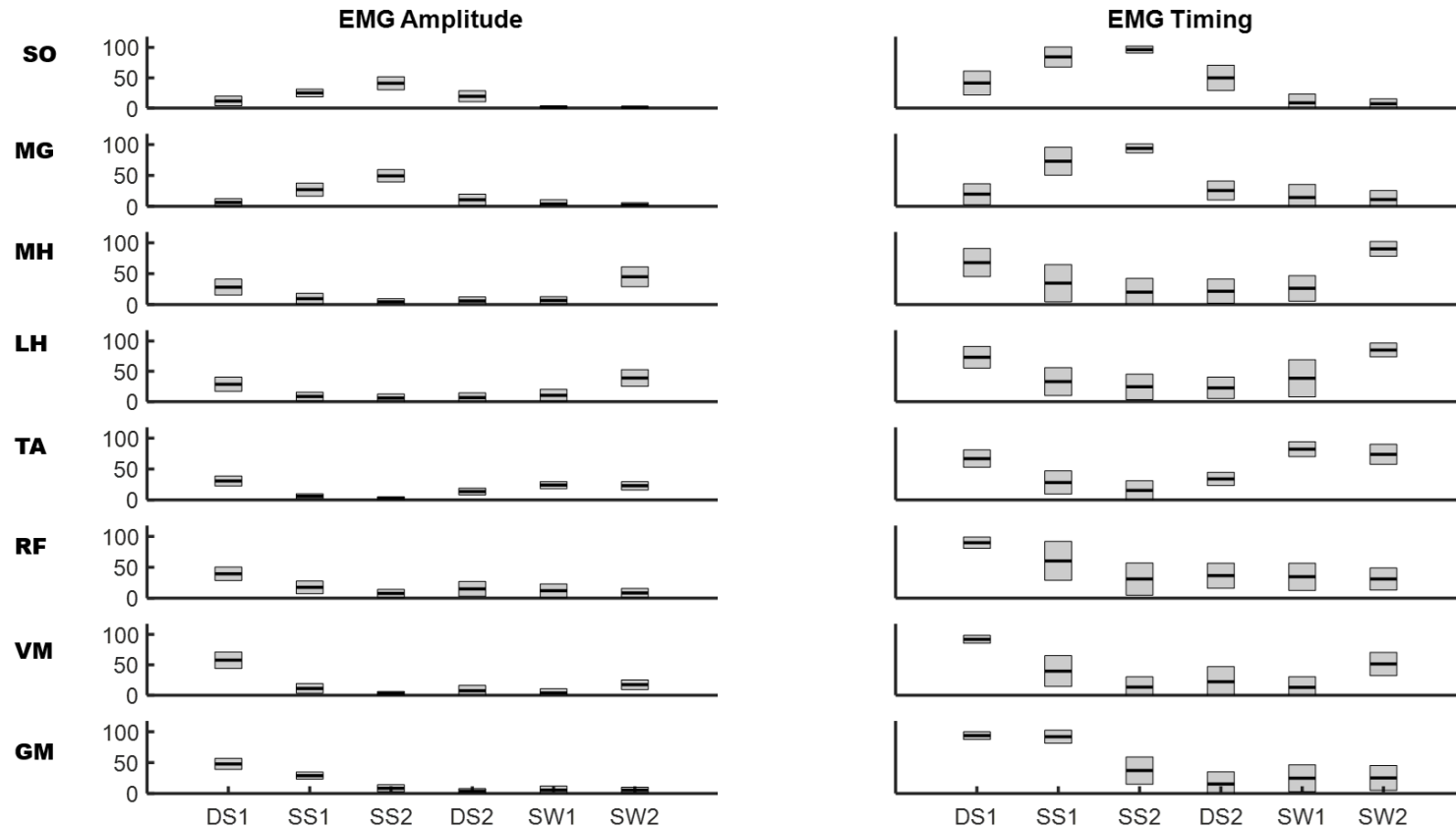
(C)

EMG Patterns for Healthy Controls at 0.9 m/s walking speed



(D)

EMG Patterns for Healthy Controls at self-selected walking speed



5

6 Figure S2. EMG patterns of healthy controls for amplitude and timing components of each muscle at (A) 0.3m/s, (B) 0.6m/s, (C) 0.9m/s, (D) self-
7 selected walking speeds. The solid black line within each bar represents the mean for each region and the shaded gray bar is the $\pm$ SD. The regions
8 with solid black line closer to zero and small $\pm$ SD represent typically “off” activity and regions with solid black line further away from zero

- 9 represent increase in EMG activity timing and amplitude. However, if the regions have large $\pm$ SD, this would represent the sub-phases with large
- 10 inter-individual variability in healthy population.